

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Kent D. Vincent et al

Confirmation No.: 5610

Application No.: 09/981166

Examiner: SHEEBA, Ahmad

Filing Date: Oct 16, 2001

Group Art Unit: 1773

Title: High Resolution Display

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☒ under 37 CFR 1.97 (c) together with either a:
 - ☒ Statement under 37 CFR 1.97(e), or
 - ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
 - ☐ Statement under 37 CFR 1.97(e)(1) or (2), and
 - ☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

- ☒ I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: 4 February 2004

- ☐ I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number _____ on _____
Number of pages: _____

Typed Name: Ramona J. Zaya

Signature: 

Respectfully submitted,

Kent D. Vincent et al

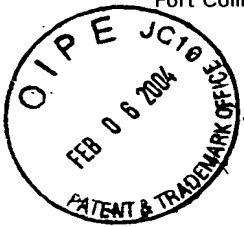
By 

Susan E. Heminger

Attorney/Agent for Applicant(s)
Reg. No. 36,449

Date: 4 February 2004

Telephone No.: 650 236 2738



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STATEMENT UNDER 37 CFR 1.97(e)

Sir:

The undersigned hereby certifies that either:

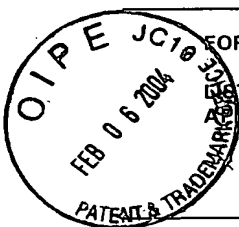
- (X) Each item of information contained in the Information Disclosure Statement was cited for the first time in a communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or
- () No item of information contained in the Information Disclosure Statement
 - was cited in a communication from a foreign patent office in a counterpart foreign application, and
 - to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56 (c) more than three months prior to the filing of the Information Disclosure Statement.

Respectfully submitted,
Kent D. Vincent et al

By 
Susan E. Heminger
Attorney/Agent for Applicant(s)
Reg. No. 36,449

Date: 4 February 2004

Telephone No.: 650 236 2738



FORM PTO-1449

 OFFICE OF PATENTS AND PUBLICATIONS FOR
 APPLICANT'S INFORMATION DISCLOSURE
 STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10005747-1

APPLICATION NO.

09/981,166

CONFIRMATION NO.

5610

APPLICANT

Kent D. Vincent et al

FILING DATE

16 October 2001

GROUP

1773

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	5,781,330	14 July 1998	Kolodner et al.	
	1B	6,194,072	27 Feb. 2001	Hambitzer et al.	
	1C	2002/0036616	28 Mar 2002	Inoue	
	1D	5,247,374	21 Sep. 1993	Terada	
	1E	6,040,811	21 Mar 2000	Malhi	
	1F	5,841,501	24 Nov 1998	Eiraku et al.	
	1G	6,128,214	3 Oct 2000	Kuekes et al.	
	1H	5,389,945	14 Feb. 1995	Sheridon	
	1I	2002/0113229	22 Aug 2002	Bratkovski et al.	
	1J	5,956,034	21 Sep 1999	Sacks et al.	
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	WO9947019	23 SEP 1999	Harrison, et al		
	1M	WO02088837	7 NOV 2002	HEWLETT-PACKARD CO		
	1N	WO9820013	14 MAY 1998	KESEL, Andreas		
	1O	WO9854690	3 DEC 1998	HEWLETT-PACKARD CO		
	1P	WO0167302	13 SEPT 2001	DISCOVERY COMMUN.		

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Kolonder P et al.: "Electric-Field-Induced Schiff-Base Deprotonation in D85N Mutant Bacteriorhodopsin" Proceedings of the National Academy of Science of USA, National Academy of Science, WA, US col. 93, October 1996 pages 11618-11621, XP000980079
	1R	Muralidharan S. et al: "Conformational Effects on Charge-Transfer Properties in Selected 9, 10 Disubstituted Anthracene Derivatives: Ground - Excited-State Dipole Moments" Journal of Physical Chemistry, American Chemical Society, US, vol. 95, no. 22, 31 Oct 1991 pages XP008006699
	1S	Sinha H. K. et al: "Ground- and Excited-State Dipole Moments of Some Nitroaromatics: Evidence for Extensive Charge Transfer in Twisted Nitrobenzene Systems" Journal of Chemical Physics, New York, NY, US vol. 93, no. 10 pages 7085-7093 XP008006682

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	2A				
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	2C				
	2D				
	2E				
	2F				
	2G				
	2H				
	2I				
	2J				
	2K				

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		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L	WO99/44144	2 SEPT 1999	HEUTSCHI, THEODOR		
	2M	DE10117906	24 OCT 2002	MAYER et al.		
	2N	EP1143773	10 OCT 2001	MATSUSHITA ELEC.		
	2O	EP1139156	04 OCT 2001	MINOLTA CO., LTD		
	2P	EP0427507	15 MAY 1990	XEROX CORP.		

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

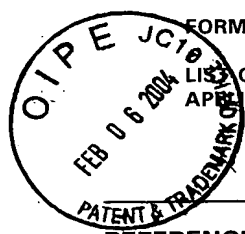
2Q	Bermudez V et al.: "Influencing Intramolecular Motion with an Alternating electric Field" Nature, Macmillan Journals LTD. London, GB vol. 406, no. 6796 10 August 2000 pages 608-611 XP002229920
2R	Speiser S: "Utilization of Intramolecular Energy and Electron Transfer Processes in Bichromophoric Molecules for Electrooptics Applications" Proceedings of the SPIE, SPIE, Bellingham, VA, US vol. 3473, 20 July 1998, pages 132-142, XP008006678
2S	Chen Gangjin et al: "Electrochromic Mechanism Study of Corona Poled Electro-Optic Polymer Films" Proc of the 6th Intl. Conf. on Prop. A. Appl. Of Dielectric Materials, vol. 2, 21 June 2000, pages 741-744, XP010516192

EXAMINER

DATE CONSIDERED

PATENT APPLICATION

Sheet 3 of 3



FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
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	3L	EP1116767	18 JULY 2001	BAYER AG		
	3M	EP0802667	22 OCT 1997	NEC CORP		
	3N					
	3O					
	3P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

3Q	Tamulis A et al: "AB Initio Quantum Chemical Desin of Supermolecule Logical Devices: Proceedings of the SPIE, SPIE Bellingham, VA US vol. 4290, 24 January 2001, pages 82-93, XP008004659
3R	"Elektronisches Papier" CT Magazin Fuer Computer Technik, Verlag Heinz Heise GMBH., Hannover, DE no.1, 2 January 2001, pages 27 XP000976876
3S	

EXAMINER

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